

**RECHARGEABLE ELECTRONIC DEVICE SYSTEM AND METHOD FOR
RECHARGING AN ELECTRONIC DEVICE**

ABSTRACT OF THE DISCLOSURE

5 A rechargeable electronic device system including a
charging device and a rechargeable electronic device. The
charging device includes at least one laser source. The
rechargeable electronic device is mounted in the charging
device. The rechargeable device includes a rechargeable
10 battery and at least one photovoltaic receptor. The at
least one laser source is aligned with the at least one
photovoltaic receptor such that the at least one laser
source emits laser light to the at least one photovoltaic
receptor. The at least one photovoltaic receptor converts
15 laser light to energy used to recharge the rechargeable
battery.